



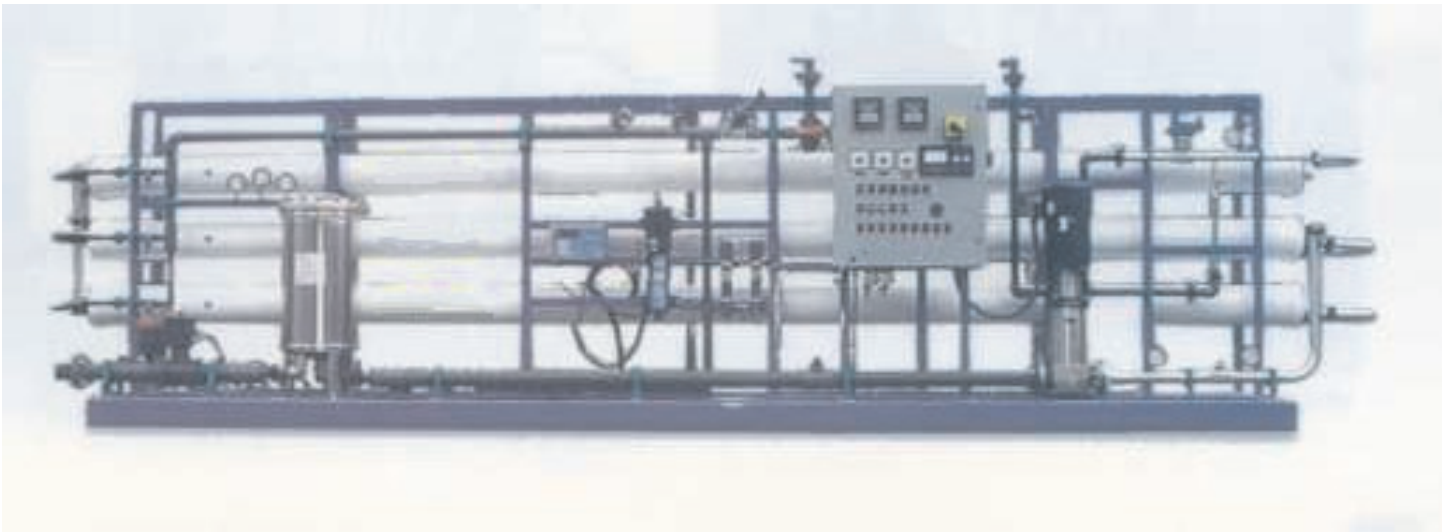
Pure Water Made Simple

M-SERIES RO UNIT

These reverse osmosis (RO) systems are a reliable and cost effective answer to a wide range of commercial and industrial water purification requirements. Designed to produce from 7200 to 216,000 gallons per day of high purity water these systems utilize state-of-the-art RO membranes which can provide:

- 99 - 99.99% reduction in dissolved inorganics
- 95 - 99% reduction in organics greater than 150 NMW
- 99%+ reduction in suspended particles, colloids, microorganisms and pyrogens

Each system is supplied completely assembled, factory tested and ready for field installation. Typical applications for these systems include; ultra-pure water for the electronics, pharmaceutical and power industries; process water for the food, beverage and chemical industries and pure water for research, pilot facilities and laboratories.



M Series Unit

Product Technical Specifications

<u>Model Number</u>	<u>Product Rate* (GPM)</u>	<u>Inlet/Outlet/Drain Connection Size</u>	<u>Unit Dimensions (WXLXH)</u>
mRO005	5.0	3/4"-3/4"-1/2"	30" x 172" x 75"
mRO010	10.0	1"-1"-3/4"	30" x 172" x 75"
mRO015	15.0	1 1/2"-1"-3/4"	36" x 132" x 75"
mRO020	20.0	1 1/2"-1 1/4"-1"	36" x 172" x 75"
mRO025	25.0	1 1/2"-1 1/4"-1"	36" x 172" x 75"
mRO030	30.0	1 1/2"-1 1/4"-1"	36" x 224" x 75"
mRO045	45.0	2"-1 1/2"-1 1/2"	36" x 172" x 75"
mRO060	60.0	2"-2"-1 1/2"	36" x 224" x 75"
mRO090	90.0	2"-2"-1 1/2"	36" x 224" x 75"
mRO110	110.0	3"-2 1/2"-1 1/2"	36" x 264" x 75"
mRO130	130.0	3"-3"-1 1/2"	48" x 264" x 75"
mRO150	150.0	4"-3"-2"	48" x 264" x 75"

*System capacity is based on operation with a feed of 600 PPM NaCl solution at the required operating pressure, 77° F and neutral pH. Other operating conditions will affect outlet quality and service flow rates.

Feed Water Requirements*

Pressure	30 PSIG**
Temperature	77° F
pH	6-8
TDS***	<1000 PPM
SDI	<3
Turbidity	<1

*Additional inlet feed water requirements apply for standard units. Consult factory for specific details.

**Optional booster pump available for low inlet pressures.

***System capacity is based on operating with a feed of 600 PPM NaCl solution at the required operating pressure, 77°F temperature and neutral pH. Other operating conditions will affect outlet quality and capacity.

Standard Features

- Modular design for easy expansion
- Epoxy-coated steel frame for floor mounting
- Stainless steel, high efficiency supply pump
- Fiberglass-wrapped TFC membranes
- Fiberglass pressure vessels
- Stainless steel high pressure gauge

Optional Features

- Duplex high pressure pumps
- 5-micron inlet sediment pre-filter
- Automatic inlet feed water shutoff valve
- Automatic inlet low pressure shutoff
- System quality monitor with alarm package
- Automatic outlet high pressure shutoff
- Recycle system
- Automatic feed water or permeate flush system
- Concentrate/permeate flow indicators
- System flow monitor with alarm package
- Pure water divert system
- Ion exchange manifold
- PLC control system
- UL/CE label

Represented By

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